

**ABSTRACT****Data transmission method combating degradation of the quality of service**

The present invention relates to a method of transmitting data on a physical resource using

- a layer (RRC) responsible for the management of the physical resource and the guarantee of the quality of service;
- 5        - a sub-layer (RLC) responsible for supplying a transmission support in accordance with the required quality of service;
- a sub-layer (MAC) responsible for access to the physical resource;
- a physical layer (PHY) responsible for the physical processing of the data; access to the physical resource being divided into transmission time intervals
- 10      (TTI);  
          the sub-layer (RLC) being able to segment the data into transmission units (RLC PDU);  
          the sub-layer (MAC) being able to transmit at least one transmission unit per transmission time interval;
- 15      characterised in that, in the event of degradation of the transmission conditions on the physical resource, the size of the transmission units is reduced.